

January 7, 2009

The Honorable Martin O'Malley
100 State Circle
Annapolis, Maryland 21401

Dear Governor O'Malley:

Enclosed is a list of "*ready to go*" stimulus infrastructure projects in the City of Rockville. We stand ready to **immediately** partner with the federal and state governments on critical initiatives as a means to stimulate the economy and address our aging infrastructure. These projects will both lead to the creation of new jobs and enable the City to begin much needed projects in such areas as transportation/transit, drinking water, waste water, and public safety. Our projects are consistent with federal and state objectives and the City is prepared to contribute any required local financial contribution.

As you know, Rockville is the second largest city in Maryland and is the county seat of Montgomery County. While Rockville, like many cities, has been challenged by a downturn in the housing market, and a tightened credit market, we still have a responsibility to address the needs and safety of our residents. Thanks to responsible long range planning, we are in a position to leverage local dollars with federal resources to begin work on critical infrastructure projects. I realize that Congress and federal agencies have begun working with state agencies to identify "*ready to go*" projects. We request that the City of Rockville be considered to receive any economic stimulus infrastructure funding that becomes available.

Thank you for your continued leadership. Please do not hesitate to call me at any time with questions regarding these projects or on any other matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Susan R. Hoffmann', with a stylized flourish at the end.

Susan R. Hoffmann
Mayor

Enclosure

cc: Congressman Chris Van Hollen
Senator Barbara Mikulski
Senator Benjamin Cardin
Izzy Patoka, Governor's Office of Intergovernmental Relations
Dana Thompson, Governor's Office of Federal Relations
Rockville City Council

City of Rockville
Federal Economic Recovery Funding Requests
January 7, 2009

Water Resources

Rockville is requesting \$44.0 million, creating 183 FTEs, for Water Resources projects as described below. Of the \$44.0 million and 183 FTEs (based on a 40-hour work week 52 weeks per year), \$15.4 million in projects will be ready immediately, corresponding to 76 FTEs. The remaining \$28.6 million in projects will begin within 180 days, corresponding to 107 FTEs.

(A) Water Main Rehabilitation Program - Requesting \$16.6 million, which will create 100 FTEs. \$8.8 million in projects will be ready immediately, which will create 53 FTE's. \$7.8 million in projects will begin within 180 days, which will create 47 FTEs.

The water main rehabilitation program, which was adopted by the Mayor and Council in May 2008, improves Rockville's aging water infrastructure by replacing 34 miles of water mains over 20 years to reach three goals: restore optimal fire flow; decrease water main breaks; and improve water quality. Rockville performed a comprehensive analysis of the entire water distribution system to analyze the system demands based on the City's population and growth projections to determine future water requirements. This included computer modeling and field-testing to assess water loss and determine if the pipes are big enough, and whether flow through pipes is being restricted due to factors such as closed valves or corrosion on the interior surface of the pipes. The results indicated that a significant portion of the system has restricted flow due to "tuberculation" (corrosion of the interior walls). Most of the system with restricted flow was constructed during the post WWII boom using cast iron pipes. The tuberculation with Rockville's water pipes has caused nearly 4% of the fire hydrants to flow at less than optimal flow level for fighting residential fires. Rockville also is experiencing a large number of water main breaks caused by the aging water pipes. In 2007, Rockville had a record 65 water main breaks in its distribution system, which cost approximately \$250,000 to repair. Additionally, the tuberculation is making it difficult to maintain adequate chlorine levels in the distribution system. Replacing the water mains will restore the fire flow in the system, provide new pipes that are structurally sound, and will improve chlorine levels throughout the distribution system.

Initially, the 34-mile program was on a 15-year implementation schedule. However, it was slowed down to 20 years because the program cost, and necessary water rate increase, was too high for the residents. The water rate will be increased 25% per year for four years to fund the 20-year program. Therefore, the economic recovery funding would bring relief to Rockville's ratepayers and allow more work to be completed in the next two years. Rockville is requesting \$16.6 million to replace 11.2 miles of pipes, which is divided into 26 projects.

(B) Water Treatment Plant - Requesting \$4.0 million, which will create 25 FTEs. \$1.0 million in projects will be ready immediately, which will create 10 FTEs. The remaining \$3 million in projects will begin within 180 days, which will create 15 FTEs.

Rockville's Water Treatment Plant was constructed in 1958. Over the years Rockville has upgraded the plant and invested millions of dollars to maintain the plant components and to ensure the plant complies with environmental regulations from EPA and MDE. However, additional work is needed beyond current funding levels. Two projects have been identified: (1) a series of rehabilitation tasks

on various components at the water plant and water intake structures. Projects include: replace air compressor; grounding wire VFD (variable frequency drive); replace sluice gates; electric actuators on sluice gates; rebuild low service pumps 1 & 2, replace valve actuators; replace chemical tank, upgrade plant electrical control panels; chemical magnetic meters; chlorine regulator and scale; ultrasonic level indicator at intake; replace butterfly valve; and install a continuous chlorine analyzer. Rockville is requesting \$1.0 million to replace or repair aging components at the water intake and water plant. (2) Constructing the Phase I Solids Handling System to ensure that the residual solids from the raw water are properly disposed to meet environmental regulations that are increasingly stringent. Rockville is requesting \$3.0 million for the Solids Handling System.

(C) Water System Hydraulic Surge Tanks and Air Release Valves - Requesting \$1.0 million which will create 6 FTEs. This project will begin within 180 days.

This project funds construction of two Hydraulic Surge Tanks, one at the Water Treatment Plant (WTP) and one at the Glen Mill Pump Station, and upgrading 18 air release valves (ARVs) along the 24-inch water transmission line between the WTP and Rockville's distribution system. The tanks and replacement ARVs are needed to protect the distribution system from rapid changes in pressure (surge events) resulting in pipe failures (pipe break). The air release valves protect water mains from water hammer, which occurs when water flowing in the pipe is forced to stop or change direction suddenly. Water hammer commonly occurs when a valve is closed suddenly at an end of a pipeline system, and a pressure wave propagates in the pipe. Water hammer can cause pipes to break.

(D) Sanitary Sewer Rehabilitation and improvements - Requesting \$22.4 million, which will create 52 FTEs. \$5.6 million in projects will be ready immediately, which will create 13 FTEs. The remaining \$16.8 million in projects will begin within 180 days, which will create 39 FTEs.

This project funds construction of sewer system replacements or rehabilitation identified through a comprehensive Preventative Maintenance Program. System rehabilitation improves the condition of the sewer system, which increases the life cycle of the infrastructure and reduces infiltration and inflow (I/I), which decreases the flow in the sewers. Poor pipe condition is causing leaks, breaks, stoppages and overflows. Implementing this pipe rehabilitation program will decrease the amount of sewage that leaks, spills and overflows from the sewer system into streams. The Maintenance division is performing closed circuit television (CCTV) inspections of all of the sanitary sewer lines and manholes over a ten-year period. CCTV inspections include a condition assessment using the industry standard Pipeline/Manhole Assessment Certification Program (P/MACP) coding system. From this assessment, pipes and manholes are ranked to determine the type of rehabilitation needed. Typical rehabilitation consists of heavy cleaning and subsequent lining of the sewers with a cured-in-place liner, point repairs to lateral connections, and various manhole rehabilitation methods. Rockville is requesting \$22.4 million to rehabilitate 22.8 miles of sanitary sewer lines and 150 manholes.

Transportation

Rockville is requesting \$7.1 million, creating 49 FTEs, for transportation improvement projects as follows. Of the \$7.1 million, \$3.4 million in projects can begin immediately, which will create 20 FTEs. The remaining \$3.7 million in projects can begin within 180 days, which will create 29 FTEs.

The funding will be used to maintain critical infrastructure, Rockville's roads and bridges, to ensure they meet or exceed safe service levels. The transportation projects fund several necessary maintenance programs to ensure the safety of Rockville bridges and roads, as well as the safety for both vehicular and pedestrian traffic by maintaining the streetlights.

- (A) Re-painting all long-span, steel girder bridges. Rockville is requesting \$2.5 million for 10 bridges, which will create 15 FTEs. This project can begin within 180 days.
- (B) Additional Asphalt Pavement Maintenance. Rockville is requesting \$3.4 million for 63 lane miles of street resurfacing, pedestrian trails and facility parking lots, which will create 20 FTEs. This project can begin immediately.
- (C) Replace old/historic streetlights on MD28 that are beyond their useful life and are out of service more frequently than normal with new lights. Replace streetlights on Tower Oaks Blvd. that are structurally compromised. Replace damaged streetlight skirts/bases on Redland Blvd. between Gaither Road and Frederick Road. Rockville is requesting \$420,000, which will create 6 FTEs. This project can begin within 180 days.
- (D) Pavement markings upgrade to thermoplastic. Rockville is requesting \$250,000, which will create 4 FTEs. This project can begin within 180 days.
- (E) Citywide Signs upgrade. Rockville is requesting \$500,000, which will create 4 FTEs. This project can begin within 180 days.

Public Safety

Rockville is requesting \$1.6 million in Police technology upgrade funds that would create one half (.5) an FTE as follows. This project can begin immediately.

The funding would greatly enhance the City in its community policing efforts. The new technology would allow for officers to work smarter, and further promote efficiency and effectiveness in many facets of day-to-day police operations.

- (A) Purchase of Police equipment including: mobile data terminals (including mounts and hardware), mobile and portable police radios, digital in car camera recording systems, license plate recognition systems, e-citation systems and hardware, an automated finger printing machine, and a community emergency notification system.